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(56) Documents cited by ISA
WO 89/04325 A1
J. Exp. Med. 1989, 170, 1745-1750
J. Chromatog. 1988, 440, 105-118
J. Immunology 1987, 139(10), 3474-3483
Proc. Natl. Acad. Sci. USA 1983, 80, 765-769
Biochemistry 1978, 17(9), 1739

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(64) Neutrophil-activating peptide-2

(57) A novel factor is described having neutrophil-stimulating activity and isolated from blood leukocytes and/or platelets. It is structurally and functionally related to neutrophil-activating factor NAF/NAP-1 and is also structurally related to β -thromboglobulin, PBP and CTAP-III. The sequence has been established. The molecular weight of the factor is approximately 6500-7700. 3 variants have also been found. The factor can be prepared from natural sources or by recombinant DNA techniques.

1	5	10
Ala-Glu-Leu-Arg-Cys-Met-Cys-Ile-Lys-Thr-		
11	15	20
Thr-Ser-Gly-Ile-His-Pro-Lys-Asn-Ile-Gln-		
21	25	30
Ser-Leu-Glu-Val-Ile-Gly-Lys-Gly-Thr-His-		
31	35	40
Cys-Asn-Gln-Val-Glu-Val-Ile-Ala-Thr-Leu-		
41	45	50
Lys-Asp-Gly-Arg-Lys-Ile-Cys-Leu-Asp-Pro-		
51	55	60
Asp-Ala-Pro-Arg-Ile-Lys-Lys-Ile-Val-Gln-		
61	65	70
Lys-Lys-Leu-Ala-Gly-Asp-Glu-Ser-Ala-Asp		

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